

ABSTRACT OF THE DISCLOSURE

*5/20/64*  
~~Provided is an~~ <sup>An</sup> endoscope system comprising an endoscope which incorporates an imaging element together with an element for determining the type of the imaging element; a light source apparatus, which includes a DMD in a light path from a light source lamp, for determining incidence or non-incidence of the illuminating light from the light source lamp on a mirror; a CPU which determines the type of imaging element based on the information provided by the type determining element and detects a time required by the imaging element for charge reading based on the determination result; and a DMD control circuit which controls the DMD at a charge reading timing of the imaging element corresponding to the charge reading time detected by the CPU, the endoscope system making it possible to extend the exposure time to a maximum regardless of the type of the endoscope, by controlling the light shielding time of illuminating light in accordance with the type of the imaging element.

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